

Attorney Docket No. 5405.225
Application Serial No.: 09/830,045
Page 2

IN THE CLAIMS

Please amend the claims as follows. This listing of claims replaces all prior versions.

1 (currently amended) A method of ~~screening~~identifying a human subject ~~for having an~~ increased risk of developing breast cancer or colon cancer~~proliferative disease~~, comprising:
detecting the ~~presence or absence of~~ upregulation of the *CLN3* gene in said subject; ~~wherein the~~
upregulation of the *CLN3* gene in said subject identifies the subject as having an increased risk of
developing breast cancer or colon cancer~~indicating said subject is at increased risk of developing~~
~~a proliferative disease;~~

~~said proliferative disease selected from the group consisting of breast cancer, colon cancer, soft tissue and bone sarcomas, neuroendocrine tumors, squamous carcinomas, and adenocarcinomas.~~

2 (currently amended) The method of claim 1, wherein said subject has been previously diagnosed as ~~afflicted with said proliferative disease~~with breast cancer or colon cancer.

3 (currently amended) The method of claim 1, wherein said subject has not been previously diagnosed as ~~afflicted with said proliferative disease~~with breast cancer or colon cancer.

4 (currently amended) The method of claim 1, wherein said subject has been previously ~~prognosed~~identified to be at increased risk of developing ~~said proliferative disease~~breast cancer or colon cancer.

5 (currently amended) The method of claim 1, wherein said subject has not been previously ~~prognosed~~identified to be at increased risk of developing ~~said proliferative~~

Attorney Docket No. 5405.225
Application Serial No.: 09/830,045
Page 3

~~disease~~breast cancer or colon cancer.

6 (original) The method of claim 1, wherein said detecting step is carried out by detecting increased mRNA levels for said *CLN3* gene.

7 (canceled)

8 (currently amended) The method of claim 1, wherein ~~said proliferative disease is the~~subject is identified as having an increased risk of developing breast cancer.

9 (currently amended) The method of claim 1, wherein ~~said proliferative disease is the~~subject is identified as having an increased risk of developing colon cancer.

10 (currently amended) The method ~~according to~~of claim 1, wherein said subject has undergone treatment for ~~said proliferative disease~~breast cancer or colon cancer.

11-48 (canceled)